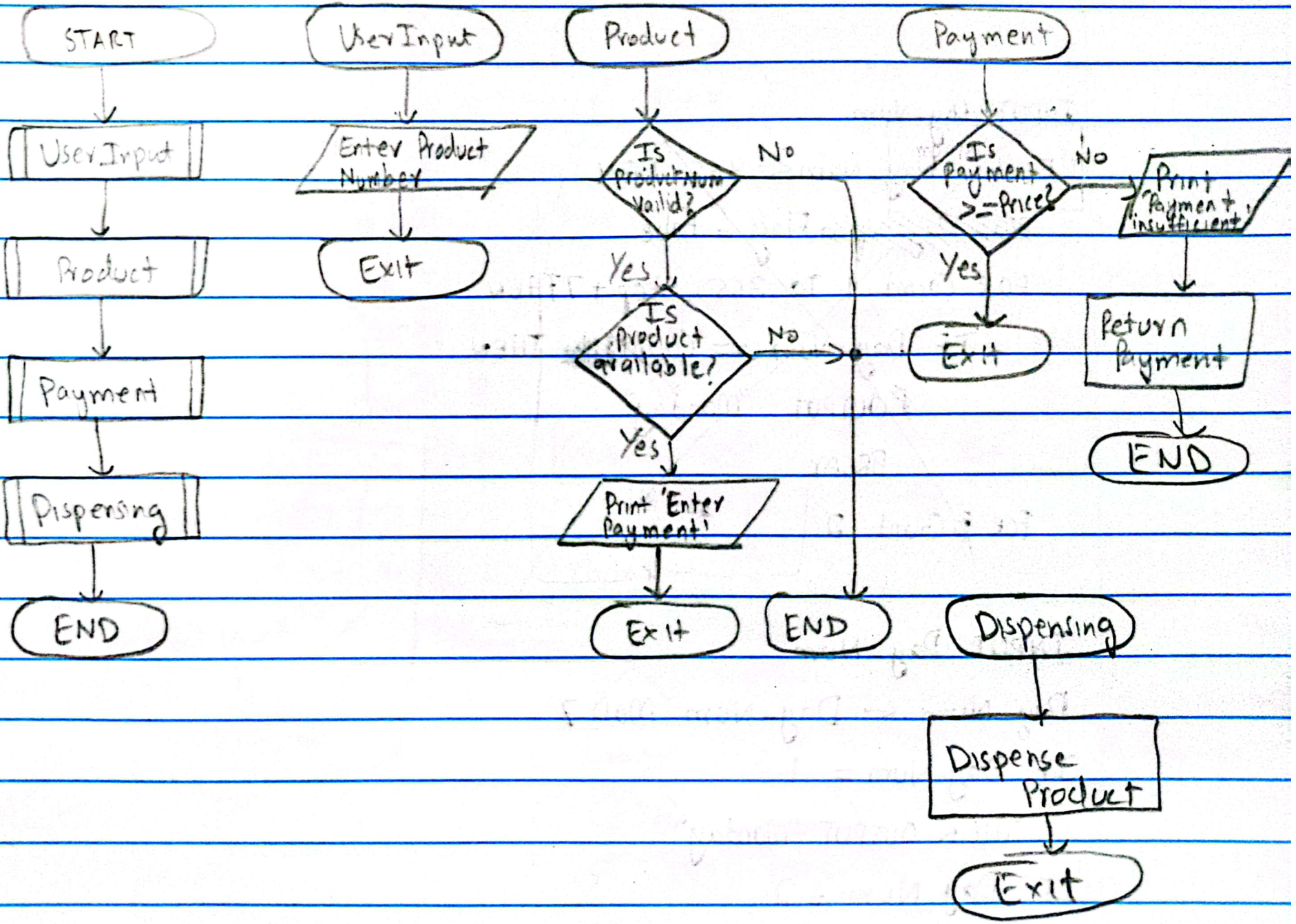
Vending Machine

Date:



Date

LAB PSUEDOCODES

- * Smallest number among three given variables

- INPUT Num1, Num2, Num3

IF Num1 <= Num2 AND Num1 <= Num3

THEN OUTPUT Num1

ELSEIF Num2 <= Num1 AND Num2 <= Num3

THEN OUTPUT Num2

ELSE OUTPUT Num3

* Basic Calculator

- INPUT Num1, Op, Num2

```
IF Op == "*" THEN
    Ans ← Num1 * Num2
ELSEIF Op == "/" THEN
    Ans ← Num1 / Num2
ELSEIF Op == "+" THEN
    Ans ← Num1 + Num2
ELSEIF Op == "-" THEN
    Ans ← Num1 - Num2
ELSE OUTPUT "Invalid Operator"
    Exit
OUTPUT Ans
```

* Determine Prime Number

Flag ← True

- INPUT Num

FOR i = 2 to Num - 1

IF Num MOD i == 0

THEN Flag ← False

IF Flag == True

THEN OUTPUT Num, "is prime"

ELSE OUTPUT Num, "is not prime"

```
INPUT Day_Num
Day_Num ← Day_Num MOD 7
IF Day_Num = 1
    THEN OUTPUT "Monday"
IF Day_Num = 2
    THEN OUTPUT "Tuesday"
IF Day_Num = 3
    THEN OUTPUT "Wednesday"
IF Day_Num = 4
    THEN OUTPUT "Thursday"
IF Day_Num = 5
    THEN OUTPUT "Friday"
IF Day_Num = 6
    THEN OUTPUT "Saturday"
IF Day_Num = 0
    THEN OUTPUT "Sunday"
```